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PTO/SB/21 (09-04)

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/786,342
Filing Date	February 2, 2004
First Named Inventor	ROBERT W. BYREN
Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	PD-03W088

### ENCLOSURES (Check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/Incomplete Application
  - ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
  - ☐ Petition to Convert to a Provisional Application
  - ☐ Power of Attorney, Revocation
  - ☐ Change of Correspondence Address
- ☐ Terminal Disclaimer
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- ☐ After Allowance Communication to TC
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☐ Other Enclosure(s) (please identify below):

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	RAYTHEON COMPANY		
Signature			
Printed name	JOHN E. GUNTHER		
Date	August 17, 2005	Reg. No.	43,649

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Typed or printed name	JOHN E. GUNTHER	Date	August 17, 2005

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Patent  
PD-03W088

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	) Date: August 17, 2005
ROBERT W. BYREN ET AL.	)
Serial No.: 10/786,342	) Art Unit: 2874
Filed: February 2, 2004	)
Title: STIMULATED BRILLOUIN	) Examiner: Ullah, Akm E.
SCATTERING PHASE CONJUGATE	
MIRROR UTILIZING PHOTONIC ...	

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313

Dear Sir:

The references cited on the enclosed form PTO/SB/08A/08B (copies of references enclosed) may be material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37CFR 1.56.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, or that additional information constitutes prior art.

I hereby certify that each item in the Search Report was cited by a foreign patent office, in a counterpart foreign application, not more than three (3) months prior to the filing of this Statement.

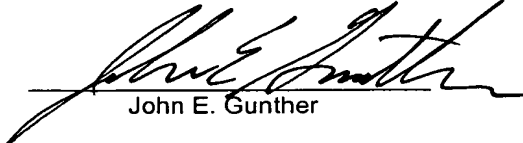
Respectfully submitted,  
ROBERT W. BYREN ET AL.

By   
John E. Gunther  
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\*\*\*\*\*

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**AUG 22 2009**

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet		of
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PTO/SB/08A (07-05)

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**Complete if Known**

Application Number	10/786,342
Filing Date	February 2, 2004
First Named Inventor	ROBERT W. BYREN
Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	PD-03W088

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/786,342
		Filing Date	February 2, 2004
		First Named Inventor	ROBERT W. BYREN
		Art Unit	2874
		Examiner Name	Ullah, Akm E.
Sheet 2	of 2	Attorney Docket Number	PD-03W088

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	Cregan, R. F. et al: "Single-Mode Photonic Band Gap Guidance of Light in Air"; Science, American Association for the Advancement of Science,	
		US, Vol. 285, No. 5433, 1999, pages 1537-1539, XP000914812, ISSN: 0036-8075, page 1537 - page 1539; Figs. 1, 2	
	2	Jones, D. C. et al: "A Stimulated Brillouin Scattering Phase-Conjugate Mirror Having a Peak-Power Threshold @? 100 W", Optics Commun.,	
		North-Holland Publishing Co., Amsterdam, NL, Vol. 123, No. 1, 15 Jan 96 (1996-01-15), pages 175-81, XP004006466, ISSN: 0030-4018,	
		* Abstract; Figs. 1, 2, 5 *	
	3	Ju Han Lee et al: "Investigation of Brillouin Effects in Small-Core Holey Optical Fiber: Lasing and Scattering" Optics Letters, Optical Society of	
		America, Washington, US, Vol. 27, No. 11, 1 June 2002 (2002-06-01), pages 927-929, XP001122426, ISSN: 0146-9592, *page 927 - page 928, Fig. 1 *	
	4	Eichler, J. J. et al.: "Phase Conjugate Mirrors" JOURNAL OF NONLINEAR OPTICAL PHYSICS AND MATERIALS WORLD SCIENTIFIC	
	OTM	SINGAPORE, Vol. 10, No. 1, March 2001 (2001-03), pages 43-52, XP009047903 ISSN: 0218-8635 *the whole document*	

Examiner Signature	Date Considered
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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